

In the Claims:

Please amend the claims so as to read as follows:

1. (Previously Presented) An optical data recording medium, in which irradiation of a
light beam is used for reproducing recorded data, comprising:
a substrate having pits disposed on a light incident surface thereof, corresponding to the
recorded data, which are shorter than a resolution limit of an optical system of a
reproducing apparatus which reproduces that optical data recording medium; and
a reproducing layer for improving the resolution of optical signals from said pits and
passing said improved resolution optical signals from said pits to said optical
system of said reproducing apparatus in a form reproducible by said reproducing
apparatus, the reproducing layer being provided so as to face said light-incident
surface of said substrate.
2. Cancel without prejudice.
3. (Previously Presented) The optical data recording medium as set forth in Claim 1, wherein:
the reproducing layer is made of a material whose transmittance changes in accordance
with temperature.
4. (Previously Presented) The optical data recording medium as set forth in Claim 1 wherein:
at least a part of a light-incident surface of the reproducing layer is exposed to air.

5. (Previously Presented) The optical data recording medium as set forth in Claim 1 further comprising:
a light absorption layer for converting an incident light beam directed toward said light incident surface of said substrate to heat, the light absorption layer being contiguous to the reproducing layer.
6. (Previously Presented) The optical data recording medium as set forth in Claim 1 further comprising:
a reflective layer for reflecting an incident light beam directed toward said light incident side of said substrate, the reflective layer being provided between said light incident side of said substrate and said reproducing layer.
7. (Original) The optical data recording medium as set forth in Claim 1 wherein:
the reproducing layer is made of a metal oxide.
8. (Original) The optical data recording medium as set forth in Claim 7, wherein:
the reproducing layer is made of a zinc oxide.
9. (Original) The optical data recording medium as set forth in Claim 5, wherein:
the light absorption layer is made of one of silicon, germanium and an alloy of silicon and germanium.

10. (Currently Amended) An optical data recording medium, in which irradiation of a light beam is used for reproducing recorded data, comprising:
 - a substrate having a light incident surface containing pits, corresponding to the recorded data, which are shorter than a resolution limit of an optical system which reproduces the optical data recording medium;
 - a reproducing layer, stacked on the light incident surface of the substrate in which the pits are provided, the reproducing layer having a changeable transmittance with respect to an irradiated light beam irradiated on the reproducing layer and directed toward said light incident surface of said substrate, the changeable transmittance being changeable in accordance with an intensity distribution of the light beam irradiated on the reproducing layer; and
 - a reflective surface, provided between the substrate and the reproducing layer, for reflecting a light beam that has passed through the reproducing layer.
11. (Original) The optical data recording medium as set forth in Claim 10, further comprising:
 - a reflective layer provided between the substrate and the reproducing layer, and including the reflective surface.
12. (Original) The optical data recording medium as set forth in Claim 10, further comprising:
 - a light absorption layer, provided between the substrate and the reproducing layer, for converting, to heat, the light beam irradiated thereon.

13. (Original) The optical data recording medium as set forth in Claim 10, wherein:
at least a part of that surface of the reproducing layer which is a reverse surface to the
surface facing the substrate is exposed to air.
14. Canceled without prejudice.
15. Canceled without prejudice.
16. Canceled without prejudice.
- 17 (Previously Presented) A reproducing method of an optical data recording medium in which
irradiation of a light beam is used for reproducing data recorded in the optical
data recording medium,
said optical data recording medium including:
a substrate having a light incident surface containing pits, corresponding to recorded data,
which are shorter than a resolution limit of an optical system of a reproducing
apparatus which reproduces the optical data recording medium; and
a reproducing layer for improving the optical resolution of optical signals from said pits
and passing said improved resolution optical signals to said optical system of said
reproducing apparatus in a form reproducible by said reproducing apparatus,
the reproducing layer being provided so as to face said light-incident surface of
the substrate,
said reproducing method comprising the step of:
irradiating the light beam from above the reproducing layer to the light incident surface
side of said substrate so as to reproduce the pits.

18. (Previously Presented) A reproducing method of an optical data recording medium in which irradiation of a light beam is used for reproducing data recorded in the optical data recording medium,
- said optical data recording medium including:
- a substrate containing pits in a light incident side thereof, corresponding to the recorded data, which are shorter than a resolution limit of an optical system of a reproducing apparatus which reproduces the optical data recording medium;
 - a reproducing layer stacked on the light incident surface of the substrate in which the pits are provided, the reproducing layer having a changeable transmittance with respect to an irradiated light beam irradiated on the reproducing layer and directed toward said light incident side of said substrate, the changeable transmittance being changeable in accordance with an intensity distribution of the light beam irradiated on the reproducing layer; and
 - a reflective surface, provided between the substrate and the reproducing layer for reflecting a light beam that has passed through the reproducing layer,
- said reproducing method comprising the step of:
- reproducing said recorded data by irradiating a light beam onto said optical data recording medium from above the reproducing layer.